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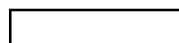
PHOTOGRAPHIC INTERPRETATION REPORT



VITAL RECORDS COPY

KAPUSTIN YAR/VLADIMIROVKA
MISSILE TEST CENTER
USSR

LAUNCH AREA 4C

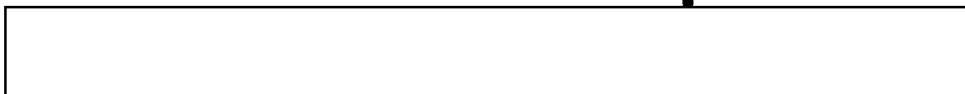


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MARCH 1967

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8 PAGES



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Declass Review by NIMA/DOD

GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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PREFACE

This report is one of a series prepared under NPIC Project 11211/66, in response to CIA requirement C-DI5-82,975, which requests detailed line drawings, to scale, of selected elements of the Kapustin Yar/Vladimirovka Missile Test Center (KY/Vlad MTC, Figure 1). The basic layout of the selected elements contained in this and other associated reports was compiled from recent high-resolution photography. Individual reports will be updated periodically upon completion of the series, in order that changes may be reflected as they are observed on subsequent photography.

The precision target plot included in this report is a mathematically rectified projection of the area. Plots are compiled by utilizing precision mensuration instruments, and image interpretation is performed with the aid of stereoscopic viewing equipment. Identifiable image points are measured and their coordinate values mathematically transformed by computer. This transformation corrects for camera and attitude (pitch, roll, and yaw) induced distortions, but does not correct for displacement due to ground relief and object height.

The horizontal and vertical dimensions included in this report are accurate to within plus or minus 5 feet or plus or minus 5 percent, whichever is greater.

These target plots represent the most accurate data compiled to date, but the user is cautioned to exercise care in scaling distances or determining azimuths from these plots, because relief can introduce errors in distance and alignment.

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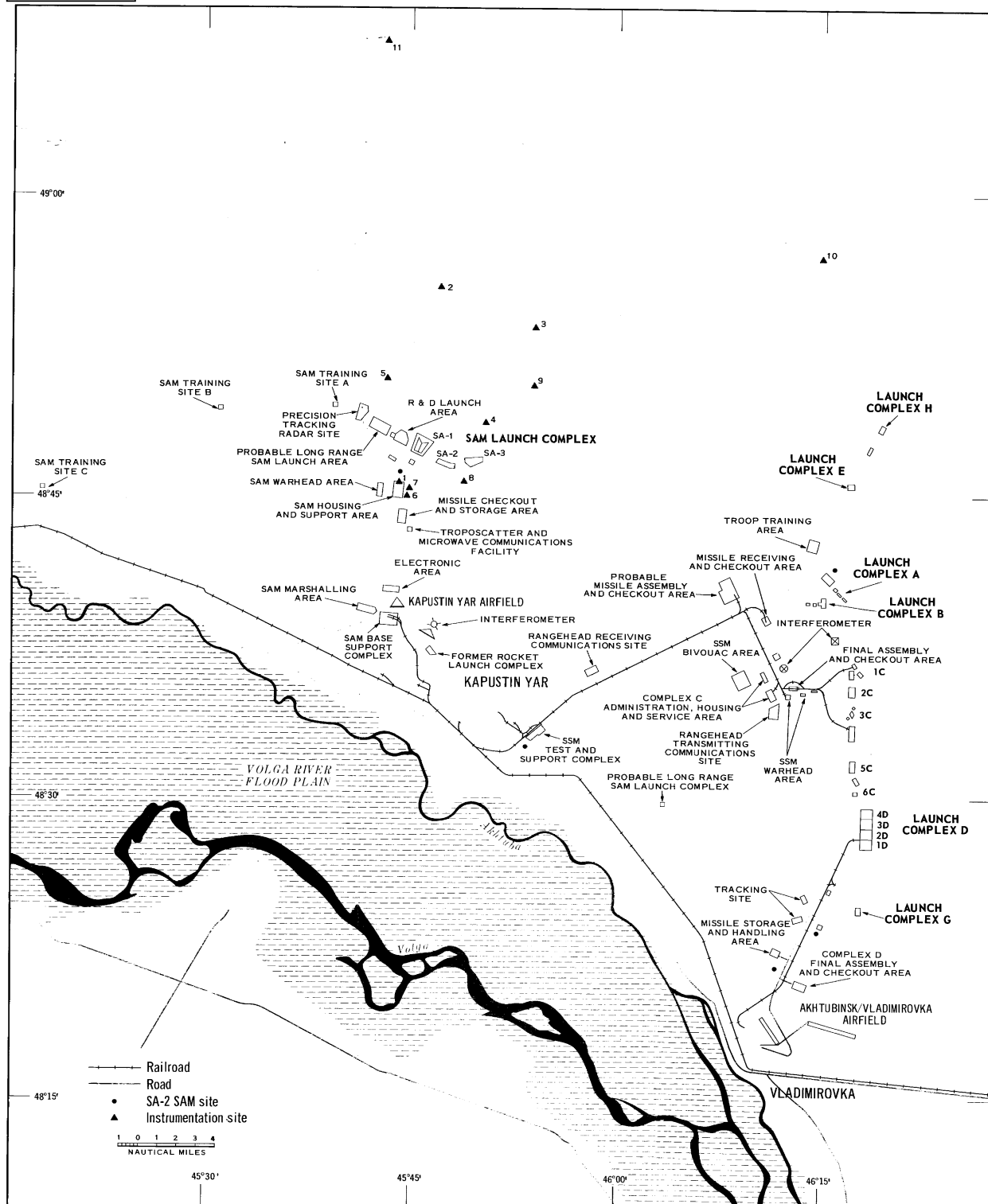


FIGURE 1. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR.

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KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER

LAUNCH AREA 4C

(48-34N 046-17E)

Launch Area 4C (Figures 2 and 3) comprises the prototype hardened IRBM (4C2) and MRBM (4C1) launch sites at KY/Vlad MTC. The launch area was first observed under construction in [redacted] however, it was not identified as a launch area until [redacted] when it was in the midstage of construction. Initial construction was completed by [redacted]

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Launch Site 4C1 is presently undergoing extensive modifications, which began prior to [redacted]. The launch area can be negated in [redacted]

The launch area, located 2.5 nautical miles (nm) southeast of the Complex C Operations Area, is a double-fenced, road- and rail-served area.

Launch Site 4C2

Launch Site 4C2, consisting of 3 missile silos and a control bunker, is the R&D prototype of deployed hardened IRBM launch sites. Two differences occur at Launch Site 4C2 that are not present at deployed sites. These include: 1) a [redacted] narrower silo cover over the northeast silo at 4C2. This cover is similar to the silo covers at Launch Site 4C1, the MRBM prototype. The other 2 silo covers at Launch Site 4C2 are similar to those at the deployed IRBM launch sites. 2) an overhead superstructure located over the control bunker at 4C2. This feature was probably designed to provide additional overhead protection in the event of a firing mishap.

An earth-mounded bunker, garage, and support structure are also located at Launch Site 4C2.

Launch Site 4C1

Launch Site 4C1, the prototype for deployed, hardened MRBM launch sites, originally consisted of 4 apparently identical missile silos arranged in a rectangular pattern around a central control bunker. The launch site was completed by [redacted]. Major modification was begun at 4C1 sometime between [redacted]. When seen [redacted] the silo cover rails at the northeast silo had been extended to the rear and a [redacted] rail-mounted structure was in place over the silo. The silo diameter was possibly reduced during this time, from the standard [redacted] to approximately [redacted]. However, photographic evidence is not available to confirm or deny this hypothesis. At the same time preliminary construction of a rail line to 4C1 was noted. The previously identified 4C Support Area was being razed during this time.

During the summer and early fall of [redacted] the rail line was completed to 4C1. Three bunkers were also under construction immediately southwest of the launch site.

When seen in [redacted] foundations were being dug for extension of the silo cover rails at the northwest silo similar to the work done on the northeast silo. When seen in [redacted] rail-mounted structure was observed under construction to the rear of the silo. Several [redacted] rings are observed at the base of the structure. The rail line into the launch site had been extended to the lip of the southwest silo and this silo diameter had also been reduced from the standard [redacted] to approximately [redacted]. The 3 bunkers under construction in [redacted] now appear to be complete.

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U/I Rail-Mounted Equipment

An unidentified, rail-mounted piece of probable missile handling equipment is located on the rail line immediately west of Launch Site 4C1 (Figure 4). Adjacent to the east end of the piece of probable missile handling equipment

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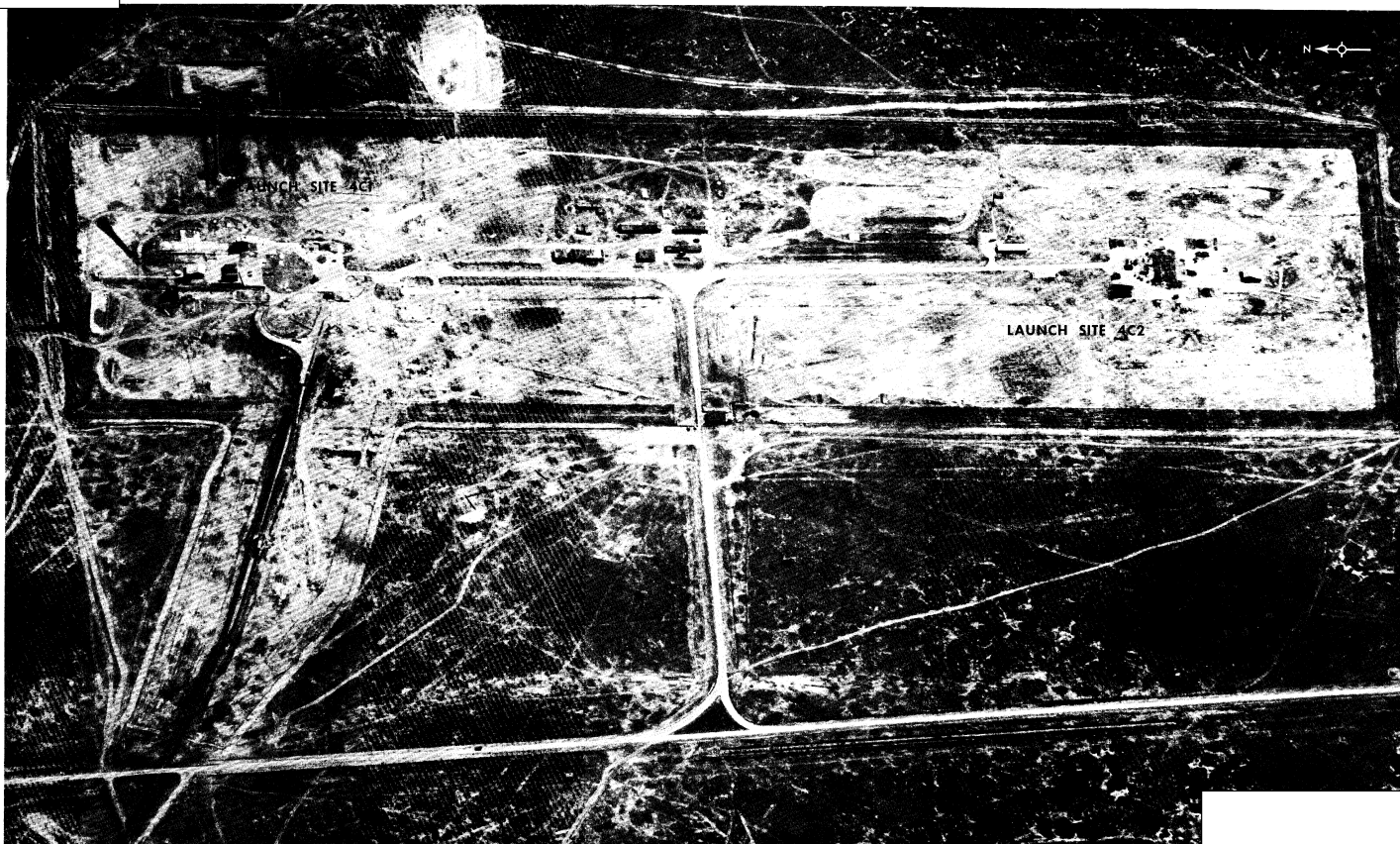


FIGURE 2. LAUNCH AREA 4C, KY/VLAD MTC.

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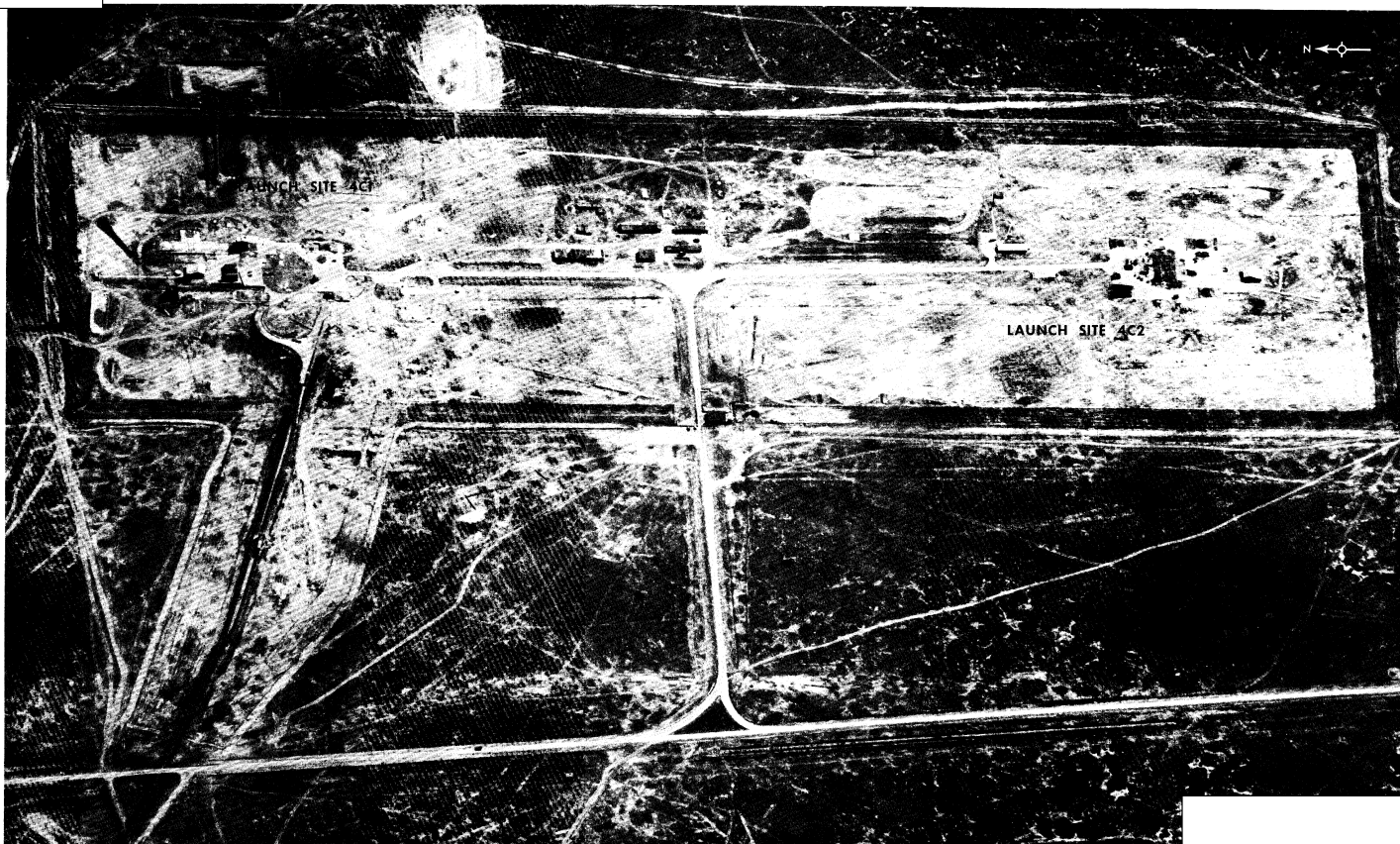


FIGURE 2. LAUNCH AREA 4C, KY/VLAD MTC.

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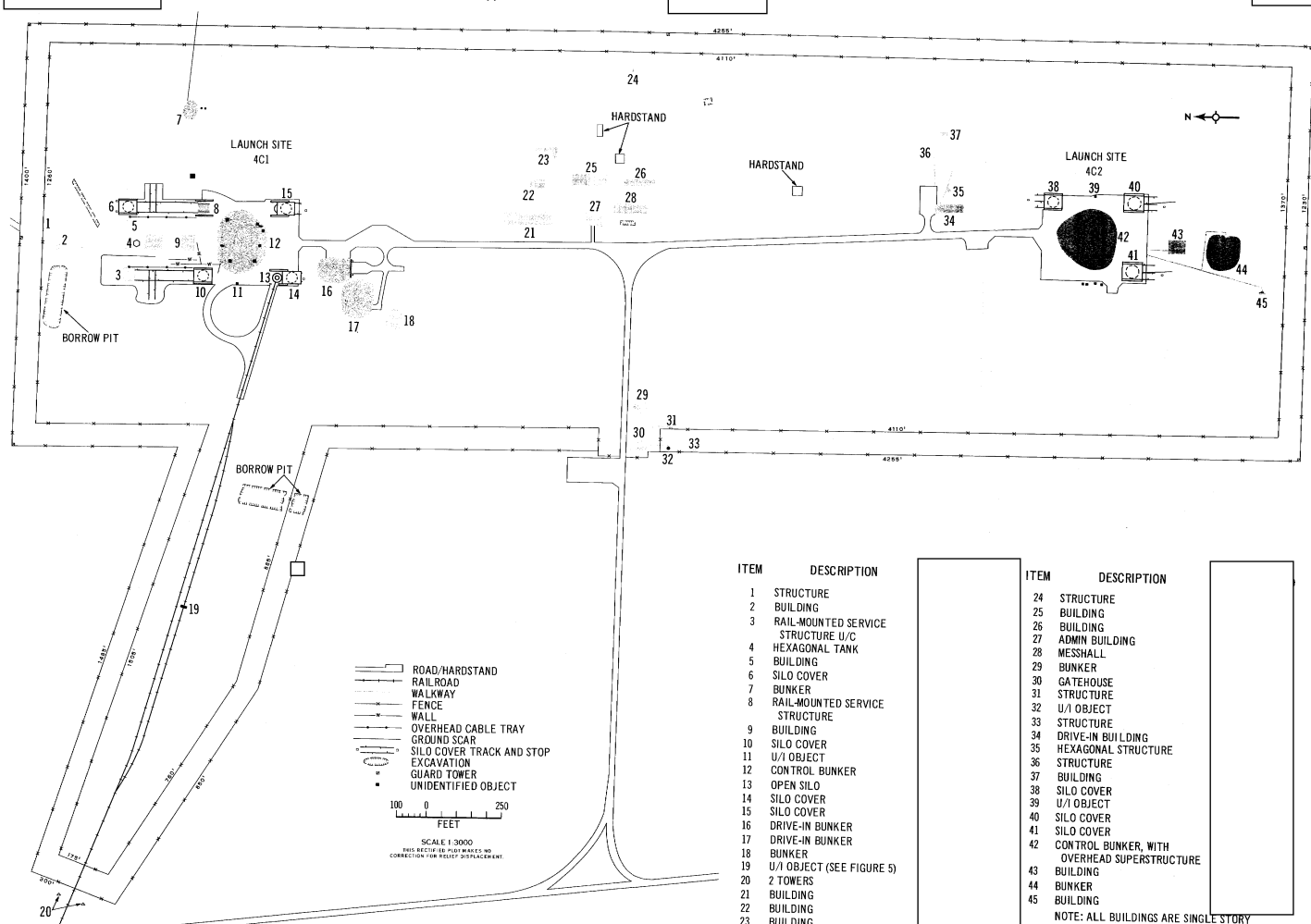
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FIGURE 3. RECTIFIED PLOT, LAUNCH AREA 4C, KY/VLAD MTC.

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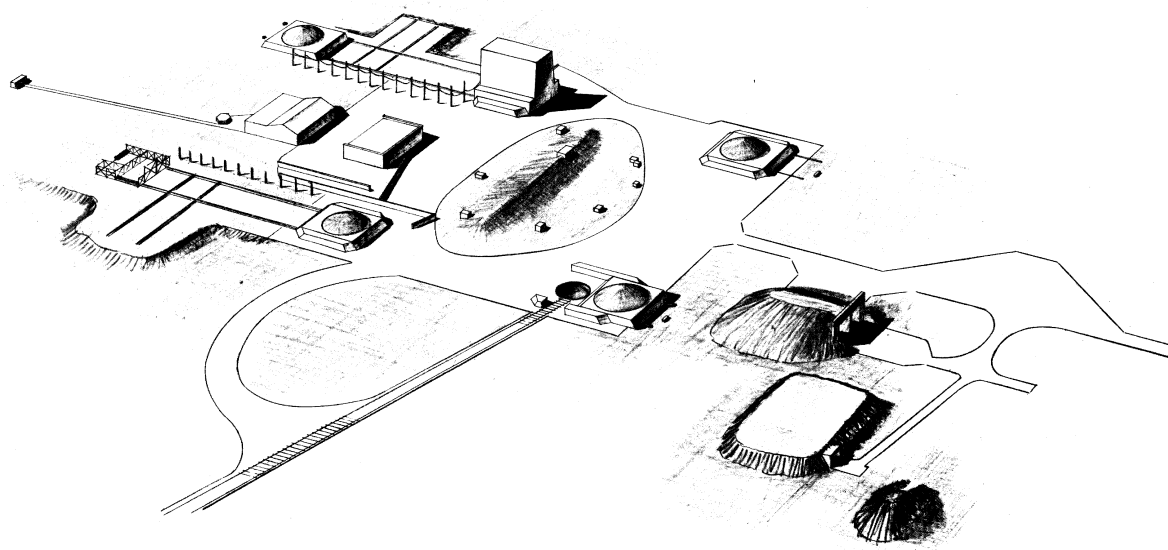


FIGURE 4. LAUNCH SITE 4C1.

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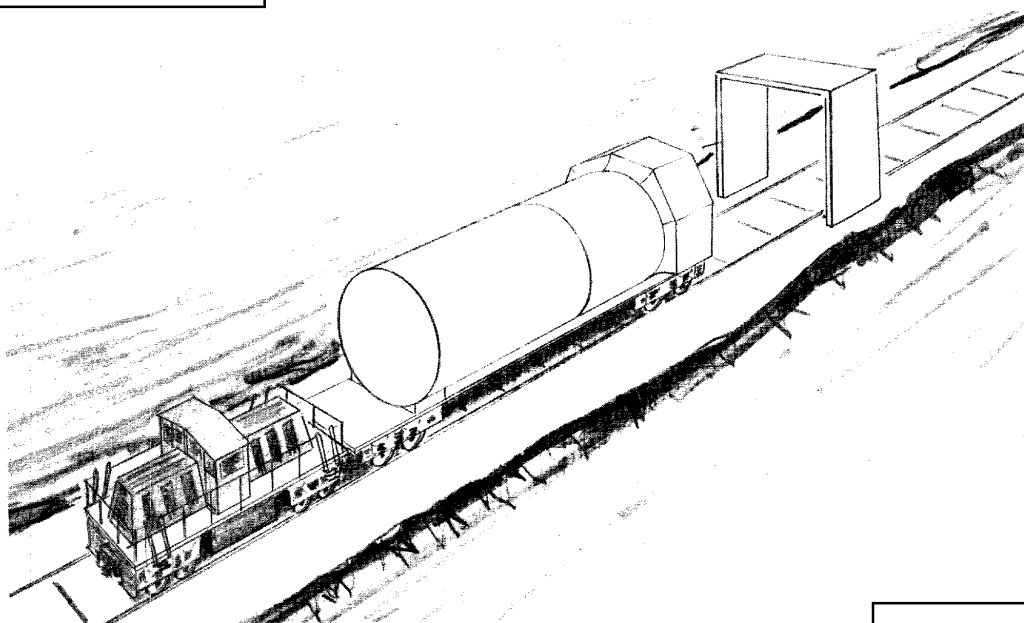


FIGURE 5. SWITCH ENGINE AND PROBABLE MISSILE HANDLING EQUIPMENT.

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is a fixed, rail-through structure. A small switch engine is coupled to the piece of probable missile handling equipment (Figure 5).

Support Area

A small support area, centrally located between Launch Sites 4C1 and 4C2, consists of an administration building, a probable messhall, a recently constructed possible barracks to be used for transient workmen in the launch area, and 4 additional support buildings.

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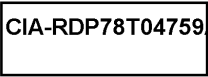


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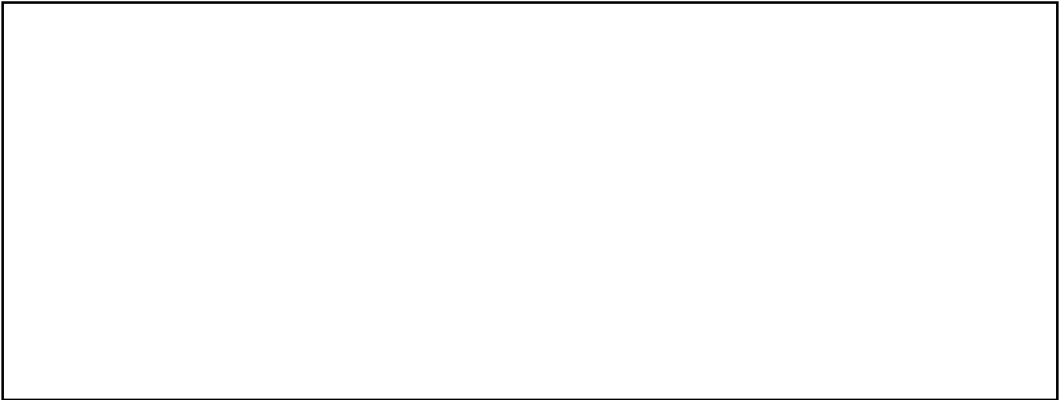
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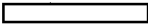


REFERENCES



RELATED DOCUMENT

NPIC. R-5113/64, *Launch Complex C, Kapustin Yar Vladimirovka Missile Test Center, USSR*, Dec 64 (TOP SECRET)



REQUIREMENT

CIA. C-DI5-82,975



NPIC PROJECT

11211/66 (partial answer)



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